

ABSTRACT OF THE DISCLOSURE

For traditional “white light LED”, the emitted white light comes from the mutual compensation of blue light and yellow light when blue light LED chip surface is coated with a yellow fluorescent powder layer. Since the fluorescent powder is not evenly distributed on the surface and peripheries of blue light LED chip, the emitted “white” light is not uniform in color, but a little more blue color appearing at the core portion and a little more yellow color appearing at peripheral portion. As a result, the light viewed as white light by human eyes is projected on a white paper to become bluish at center and yellowish at peripheries. The present invention of “Improvement on White Light LED” is to add an extra diffusion layer on the fluorescent powder layer and to use refraction by such a diffusion layer containing transparent microparticles to enhance the evenness of light, which can solve the problem of light unevenness with white light LED (FIG. 2).